

APPENDIX B
ARMY HELICOPTER SPECIFICATIONS

For pathfinders to help select landing sites, they must know the dimensions of Army aircraft that US Army active and reserve units could employ. The art in this appendix shows helicopters currently in use as of this manual's publication date.

B-1. OBSERVATION HELICOPTERS

This category includes the OH-58D Kiowa and the OH-6A Cayuse.

a. **OH-58D Kiowa.** Table B-1 shows specifications for the Kiowa; Figure B-1 shows the aircraft from three angles:

Rotor Diameter	35 FT
Length:	
Rotor Operating.....	42 FT 2 IN
Blades Removed	33 FT 10 IN
Height to Top of Turret	
12 FT 9 - 1/2 IN	
Tread of Skids	
6 FT 2 IN	
Main Rotor:	
Disk Area	0.962 SQ FT
Blade Area.....	38.26 SQ FT
Clear Area Needed for Rotor.....	
12.5 M	
TDP #1.....	
25 M Diameter	

Table B-1. Specifications for the OH-58D (Kiowa).

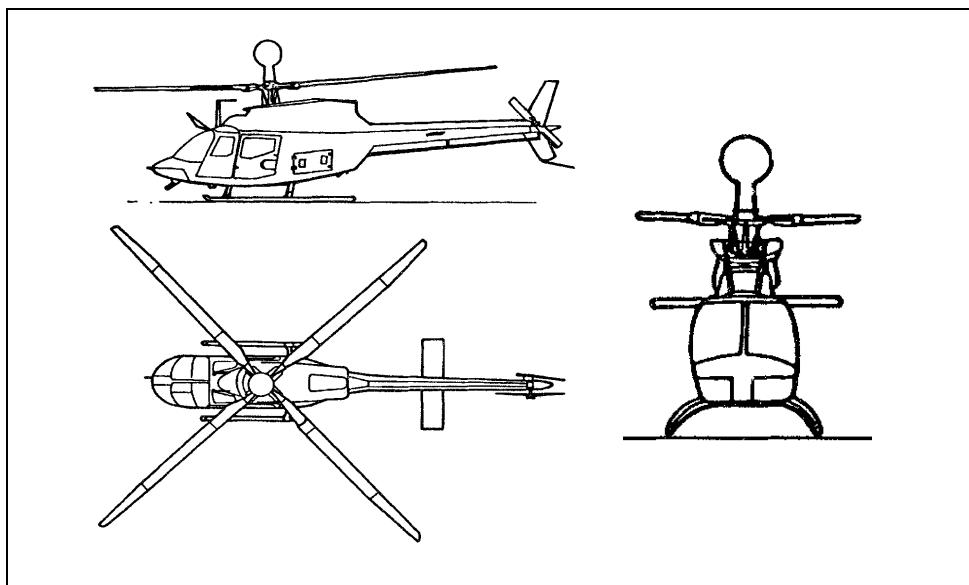


Figure B-1. OH-58D (Kiowa).

b. **OH-6A Cayuse.** Table B-2 shows specifications for the Cayuse; Figure B-2 shows the aircraft from three angles:

Rotor Diameter	26 FT 4 IN
Length:	
Rotor Operating	39 FT 3 - 3/4 IN
Rotor Folded	22 FT 9 - 1/2 IN
Height	8 FT 9 IN
Tread	6 FT 3 IN
Clear Area Needed for Rotors ...	9.3 M
TDP #1.....	25 M Diameter

Table B-2. Specifications for the OH-6A Cayuse.

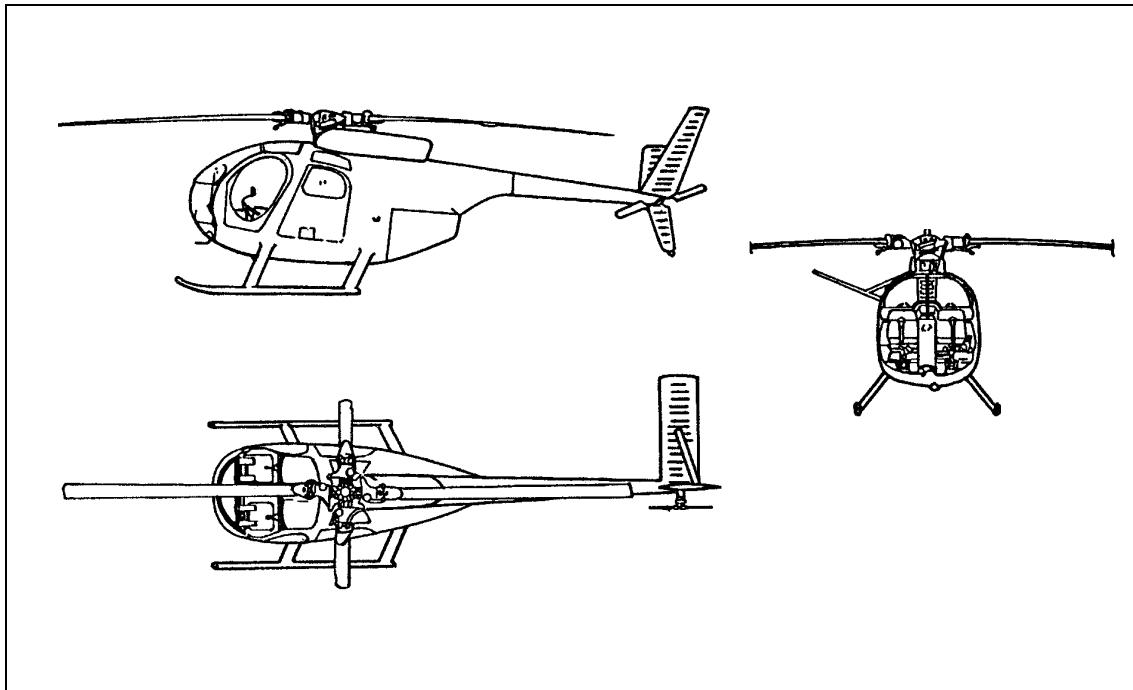


Figure B-2. OH-6A (Cayuse).

B-2. ATTACK HELICOPTERS

This category of helicopters includes the AH 1S Cobra and the AH 64A Apache.

a. **AH 1S Cobra.** Table B-3 shows specifications for the Cobra; Figure B-3 shows the aircraft from three angles:

Rotor Diameter.....	44 FT
Length:	
Rotor Operating	53 FT 1 IN
Fuselage	44 FT 9 IN
Span, Maximum Lateral.....	11 FT 8 IN
Height.....	11 FT 7 IN
Tread (Skids)	7 FT
Rotor Ground Clearance (Static)	7 FT 10 IN
Clear area needed for Rotors	16.18 M
TDP # 2.....	35 M Diameter

Table B-3. Specifications for the AH 1S (Cobra).

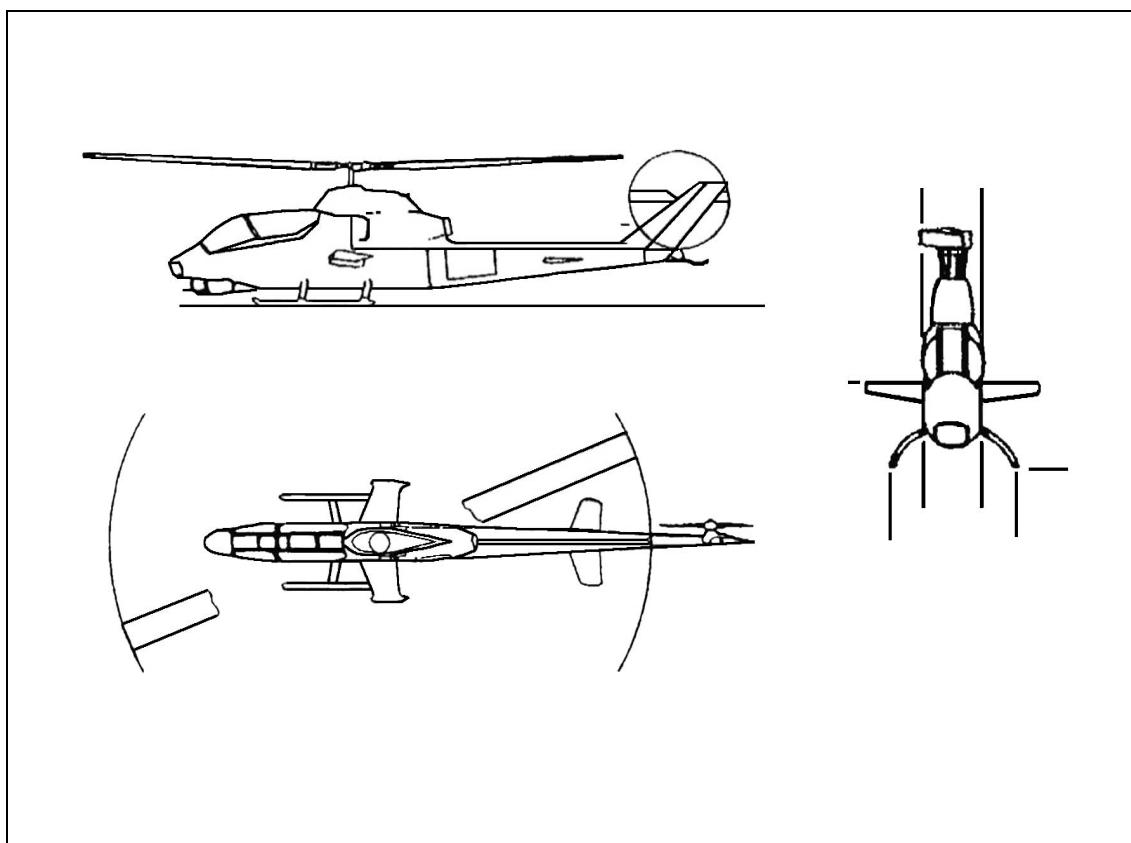


Figure B-3. AH 1S (Cobra).

b. **AH 64A (Apache).** Table B-4 shows specifications for the AH 64A Apache; Figure B-4 shows the aircraft from three angles:

Rotor Diameter	48 FT
Length:	
Rotors Operating.....	58 FT 3 - 1/8 IN
Rotors Static.....	57 FT 4 IN
Fuselage.....	48 FT
Height	15 FT 3 - 1/2 IN
Clear Area Needed for Rotors.....	17.9 M
Minimum TDP without commander's approval is #3.....	50 M

Table B-4. Specifications for the AH 64A (Apache).

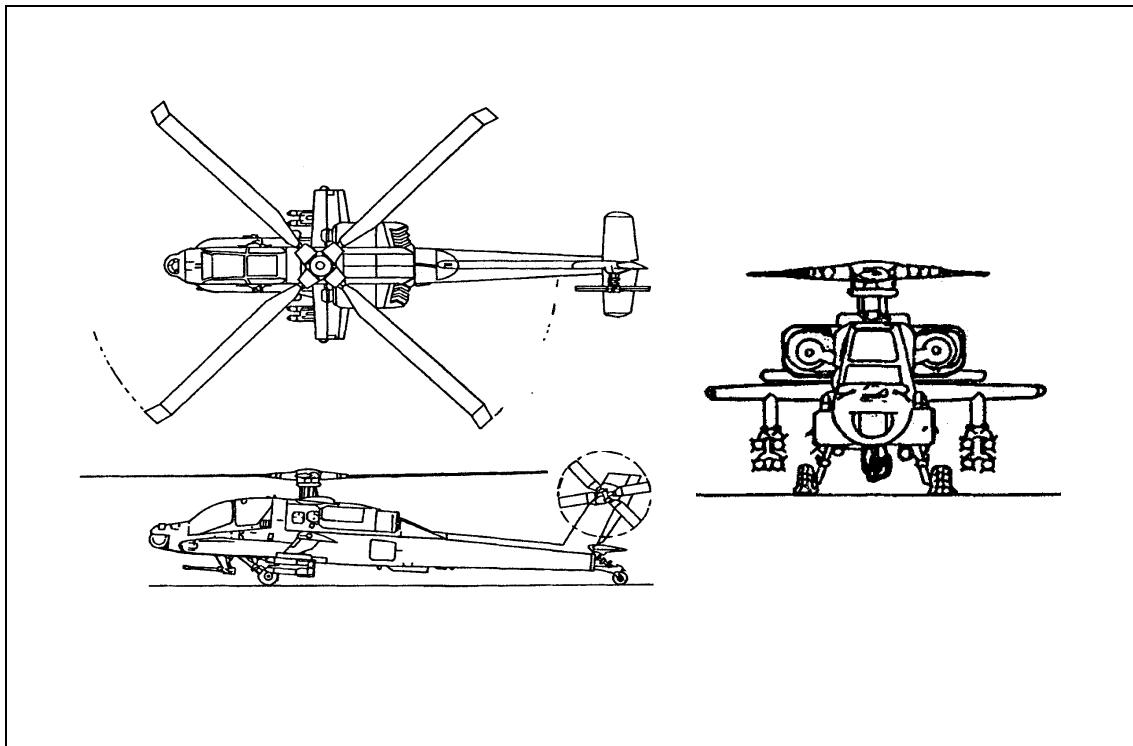


Figure B-4. AH 64A (Apache).

B-3. UTILITY HELICOPTERS

This category of helicopters includes the UH-1H Iroquois and the UH-60A Blackhawk.

a. **UH-1H Iroquois.** Table B-5 shows specifications for the Iroquois; Figure B-5 shows the aircraft from three angles:

Rotor diameter.....	48 FT
Length:	
Rotors Operating.....	57 FT 1 IN
Rotors Static	57 FT 1 IN
Fuselage	41 FT 10 - 3/4 IN
Span, Maximum Lateral	9 FT 4 IN
Height.....	14 FT 6 IN
Tread	8 FT 6 - 1/2 IN
Ground Clearance, Static	
Against Stops	6 FT 6 IN
Clear Area Needed for Rotors.....	17.4 M
TDP # 2	35 M Diameter
Allowable Cargo Load	4,000 LB

Table B-5. Specifications for the UH-1H (Iroquois).

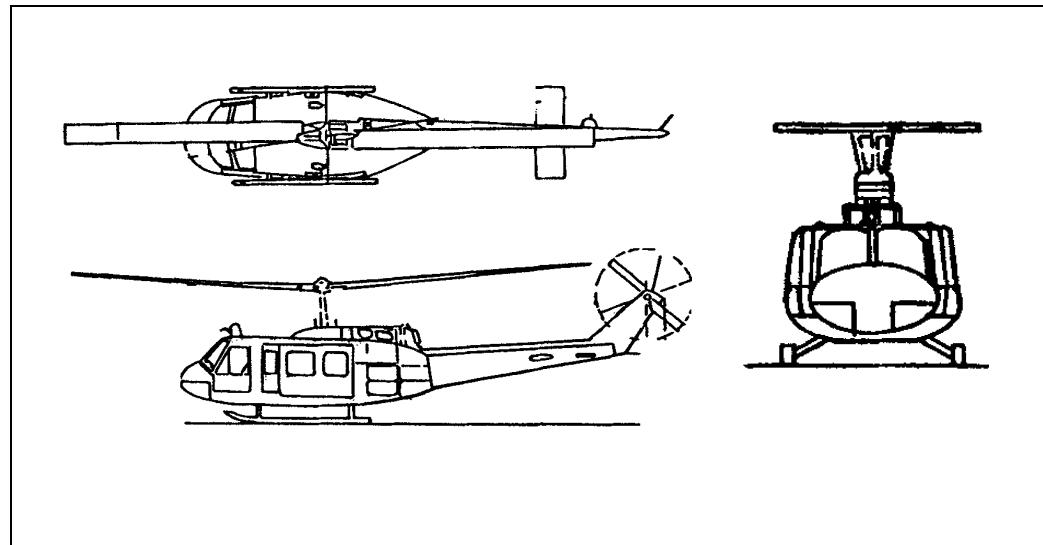


Figure B-5. UH-1H (Iroquois).

b. **UH-60A Blackhawk.** Table B-6 shows specifications for the UH-60A Blackhawk; Figure B-6 shows the aircraft from above and from the left side:

Rotor Diameter.....	53 FT	8 IN
Length:		
Rotor Operating	64 FT	10 IN
Rotor Folded	64 FT	10 IN
Fuselage	50 FT	7 - 1/2 IN
Span, Maximum Lateral.....	9 FT	8 - 1/2 IN
Height.....	16 FT	5 IN
Tread.....	8 FT	10 - 1/2 IN
Ground Clearance, Static, Against Stops.....		
	8 FT	9 IN
Clear Area Needed for Rotors	19.5 M	
TDP # 3.....	50 M Diameter	
Allowable cargo load.....	8,000 LB	

Table B-6. Specifications for the UH-60A (Blackhawk).

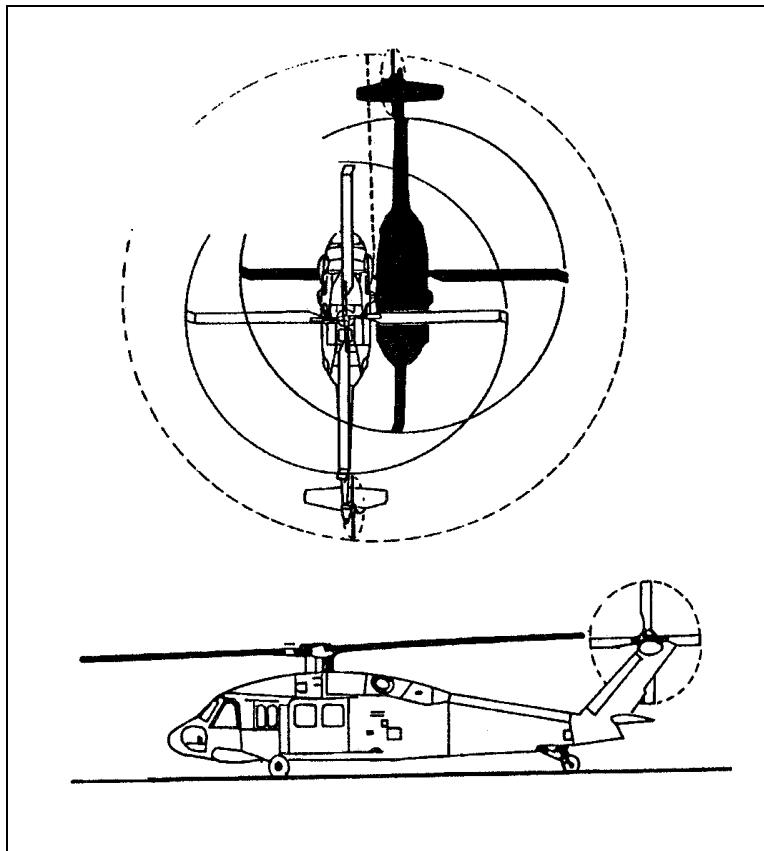


Figure B-6. UH-60A (Blackhawk).

B-4. CARGO HELICOPTERS

This category of helicopters includes the CH-47B/C and the CH-47 B/D Chinooks. With slingload, cargo helicopter TDP is #5 (100-meter diameter); without slingload, it is #4 (80-meter diameter).

a. **CH-47B/C Chinook.** Table B-7 shows specifications for the CH-47B/C Chinook; Figure B-7 shows the aircraft from three angles:

Rotor Diameter.....	60 FT
Length:	
Rotors Operating.....	98 FT 10 - 3/4 IN
Rotors Folded	50 FT 9 IN
Height (Overall)	18 FT 11 - 1/2 IN
Tread	11 FT 11 IN
Rotor Ground Clearance:	
Static Forward.....	7 FT 4 - 3/4 IN
Idling Forward	10 FT 11 IN
Clear Area Needed For Rotors	30.4 M
TDP # 4	80 M Diameter
Allowable Cargo Load	21,000 LB

Table B-7. Specifications for the CH-47 B/C (Chinook).

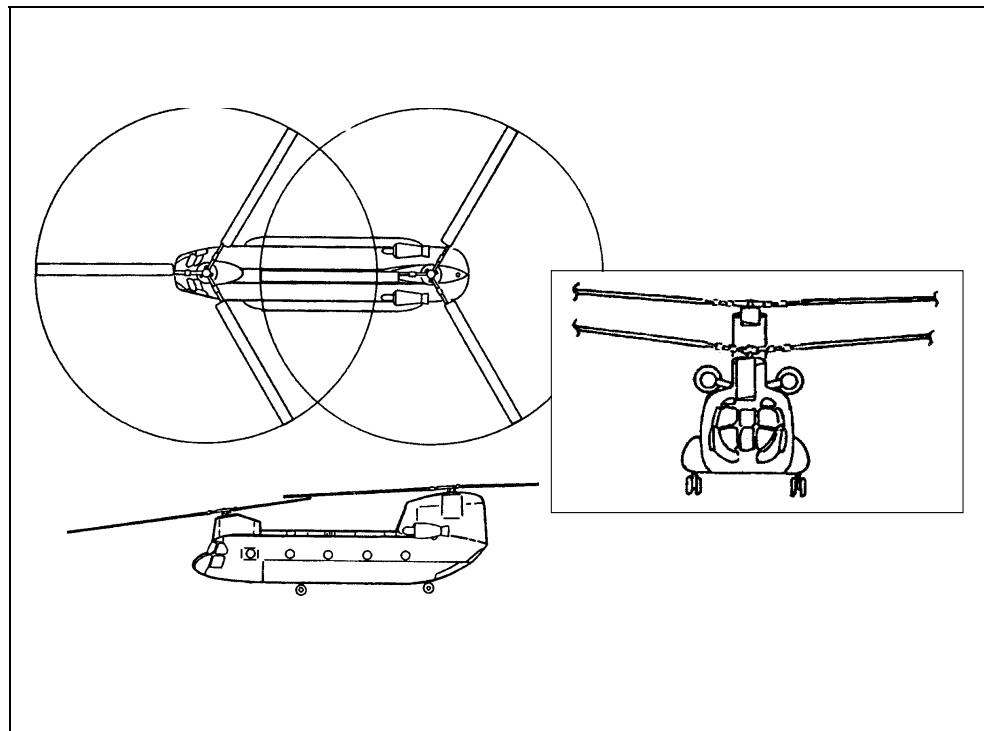


Figure B-7. CH-47B/C (Chinook).

b. **CH-47 B/D Chinook.** Table B-8 shows specifications for the CH-47B/D Chinook; Figure B-8 shows it from three angles:

Rotor Diameter.....	60 FT
Length:	
Rotors Operating	98 FT 10 - 3/4 IN
Rotors Folded	51 FT
Fuselage	51 FT
Height (Overall).....	18 FT 7 - 13/16 IN
Tread.....	11 FT 11 IN
Rotor Ground Clearance:	
Static Forward	7 FT 10 - 5/8 IN
Idling Forward.....	11 FT 7/8 IN
Clear Area Needed For Rotors	30.4 M
TDP # 4	80 M Diameter
Allowable Cargo Load:	
Forward Hook	17,000 LB
Center Hook.....	26,000 LB
Aft Hook	17,000 LB
Any Two Hooks	25,000 LB

Table B-8. Specifications for the CH-47 B/D (Chinook).

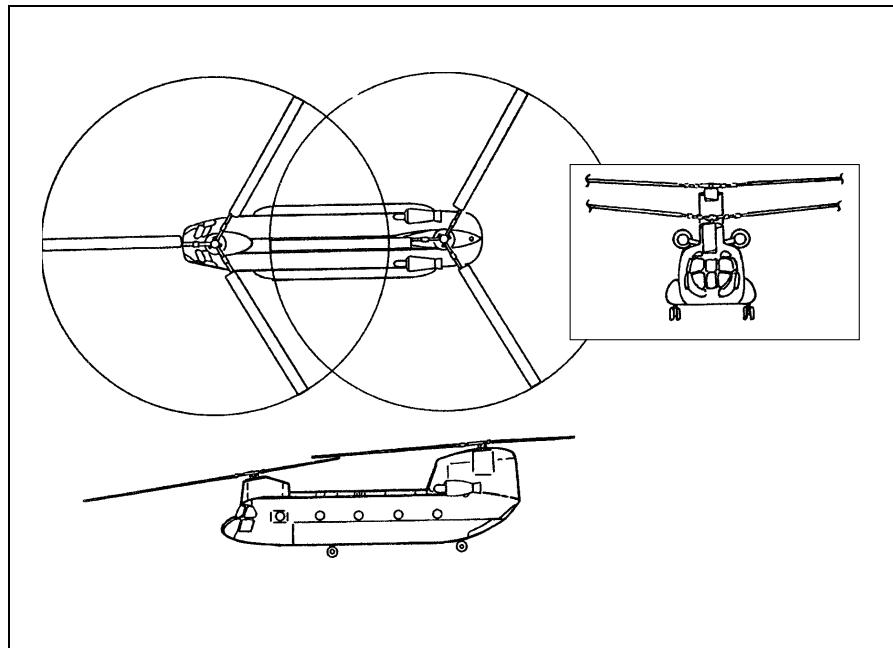


Figure B-8. CH-47 B/D (Chinook).